

noted, not for printing

ATTORNEY DOCKET NO. 03234.0017U3
APPLICATION NO. 10/786,651

EXHIBIT G

TABLE 1. U.S. Office Actions and Responses

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	10/445,273	Response to Office Action	05/10/2007*	03234.0016U2
2	10/445,273	Communication	05/16/2007	03234.0016U2
3	10/445,074	Office Action	03/12/2007	03234.0018U2
4	10/786,652	Office Action	03/19/2007	03234.0018U3
5	11/093,858	Office Action	05/09/2007	03234.0028U2

See Tab 2 Communication for clarification of this date.

TABLE 2. PCT and Foreign Office Actions and Responses

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
6	Chinese Appl. No. 03811773.8 (Counterpart to U.S. Patent No. 7,175,930; U.S. Application No. 10/445,090; N&R Ref. No. 03234.0017U2)	Response to Office Action with English translation	03/02/2007	03234.0017CN1
7	Chinese Appl. No. 03811774.6 (Counterpart to U.S. Application No. 10/445,074; N&R Ref. No. 03234.0018U2)	Response to Office Action with English translation	03/02/2007	03234.0018CN1

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APPLICATION NO. 10/786,651

EXHIBIT F

TABLE 1. PCT and Foreign Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	European Application No. 03729097 (Counterpart to US 10/445,074)	Response to Rule 51(4) Notice	12/04/06	03234.0018EP1
2	European Application No. 03729097 (Counterpart to US 10/445,074)	Decision to Grant	01/25/07	03234.0018EP1
3	Eurasian Application No. 200401548 (Counterpart to US 10/445,273)	Office Action	01/12/07	03234.0016EA1
4	Eurasia Application No. 200401552 (Counterpart to US 10/445,090)	Response to Office Action	02/05/07	03234.0017EA1
5	European Application No. 03729096 (Counterpart to US 10/445,090)	Supplemental Search Report	02/19/07	03234.0017EP1

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APPLICATION NO. 10/786,651

EXHIBIT E

TABLE 1. U.S. Office Actions and Responses

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	11/093,858	Response to Office Action	02/05/07	03234.0028U2
2	10/786,652	Response to Restriction Requirement	12/08/06	03234.0018U3
3	10/229,933	Notice of Allowance and Fee(s) Due	12/19/06	03234.0002U2
4	10/445,273	Office Action	1/17/07	03234.0016U2
5	10/445,074	Response to Office Action	12/08/06	03234.0018U2

TABLE 2. PCT and Foreign Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
6	China Appl. No. 03811770.3 (Counterpart to U.S. 10/445,273)	Response to Office Action	12/19/06	03234.0016CN1
7	Eurasia Appl. No. 200401548 (Counterpart to U.S. 10/445,273)	Response to Office Action with English translation	01/09/07	03234.0016EA1



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APPLICATION NO. 10/786,651

EXHIBIT D

TABLE 1. U.S. Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	10/445,273	Restriction Requirement	09/14/06	03234.0016U2
2	10/445,273	Election of Restriction Requirement	10/13/06	03234.0016U2
3	10/445,090	Notice of Allowance and Fee(s) Due	10/04/06	03234.0017U2
4	10/786,652	Restriction Requirement	10/11/06	03234.0018U3
5	10/654,234	Notice of Allowance and Fee(s) Due	10/04/06	03234.0021U1
6	11/093,858	1 st Official Action	10/06/06	03234.0028U2

TABLE 2. PCT and Foreign Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
7	China Appl. No. 03811770.3 (Counterpart to U.S. 10/445,273)	Office Action	08/04/06	03234.0016CN1
8	China Appl. No. 03811773.8 (Counterpart to U.S. 10/445,090)	Office Action	08/18/06	03234.0017CN1
9	China Appl. No. 03811774.6 (Counterpart to U.S. 10/445,074)	Office Action	08/18/06	03234.0018CN1
10	Eurasia Appl. No. 200401552 (Counterpart to U.S. 10/445,090)	Office Action	09/04/06	03234.0017EA1

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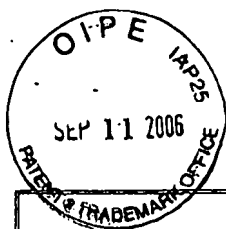


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EXHIBIT C

TABLE 1. U.S. Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	10/445,090	Response to Office Action	09/05/2006	03234.0017U2
2	10/654,234	Request for Continued Examination	09/05/2006	03234.0021U1



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APPLICATION NO. 10/786,651
SHEET 1 OF 1

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/786,651
Filing Date	February 25, 2004
First Named Inventor	SRINIVAS
Group Art Unit	1754
Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
J7	M1	US 5,346,780	09/13/1994	Suzuki			
J7	M2	US 2004/0238799 A1	12/02/2004	Hwang <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No

NON PATENT LITERATURE DOCUMENTS

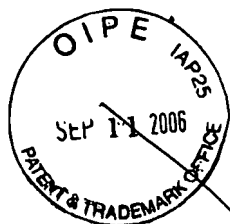
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Examiner Signature: 

Date Considered

7/23/2007

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EXHIBIT B

TABLE 1. U.S. Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	10/229,933	Petition for Withdraw from Issue and Request for Continued Examination	07/13/2006	03234.0002U2
2	10/445,273	Response to Office Action	07/13/2006	03234.0016U2
3	10/445,074	Office Action	07/10/2006	03234.0018U2
4	10/654,234	Notice of Allowance	06/08/2006	03234.0021U1

TABLE 2. PCT and Foreign Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
5	Eurasia 200401548/26 (counterpart to US 10/445,273)	Office Action	07/03/2006	03234.0016EA1
6	EP 03729097.0 (counterpart to US 10/445,074)	Communication Under Rule 51(4)	07/25/2006	03234.0018EP1

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ATTORNEY DOCKET NO. 03234.0017U3
APPLICATION NO. 10/786,651

EXHIBIT A

TABLE 1. U.S. Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
1	10/229,933	Notice of Allowance and Fee(s) Due	05/05/2005	03234.0002U2
2	10/445,273	Office Action	03/20/2006	03234.0016U2
3	10/445,090	Office Action	04/04/2006	03234.0017U2
4	10/445,074	Office Action	10/18/2005	03234.0018U2
5		Response to Office Action	01/17/2006	
6	10/654,234	Office Action	11/17/2005	03234.0021U1
7		Response to Office Action	04/17/2006	

TABLE 2. PCT and Foreign Office Actions

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
8	PCT/US03/16321 (counterpart to US 10/229,933)	International Search Report	08/26/2003	03234.0002P1
9		Written Opinion	04/13/2004	
10		International Preliminary Examining Report	09/01/2004	
11	PCT/US03/16654 (counterpart to US 10/445,273)	International Search Report	08/20/2003	03234.0016P1
12		Written Opinion	04/27/2004	
13		International Preliminary Examining Report	08/26/2004	
14	Eurasia 200401548/26 (counterpart to US 10/445,273)	Office Action	04/06/2005	03234.0016EA1
15		Response to Office Action	12/19/2005	

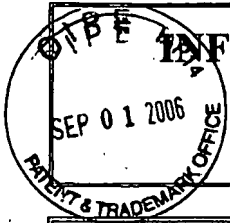
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ATTORNEY DOCKET NO. 03234.0017U3
APPLICATION NO. 10/786,651

EXHIBIT A

TAB NO.	APPLICATION NO.	DOCUMENT	DATE	N&R REFERENCE NO.
16	PCT/US03/16319 (counterpart to US 10/445,090)	International Search Report	03/29/2004	03234.0017P1
17		Written Opinion	11/12/2004	
18		International Preliminary Examining Report	01/04/2005	
19	Eurasia 200401552/27 (counterpart to US 10/445,090)	Office Action	01/30/2006	03234.0017EA1
20	PCT/US03/16320 (counterpart to US 10/445,074)	International Search Report	03/26/2004	03234.0018P1
21		Written Opinion	11/12/2004	
22		International Preliminary Examining Report	12/09/2004	
23	Eurasia 200401549 (counterpart to US 10/445,074)	Office Action	09/01/2005	03234.0018EA1
24		Response to Office Action	01/26/2006	
25		Office Action	03/30/2006	
26	EP 03729097.0 (counterpart to US 10/445,074)	Office Action	01/18/2006	03234.0018EP1
27		Response to Office Action	05/26/2006	
28	PCT/US04/015567 (counterpart to US 10/654,234)	International Search Report	10/27/2004	03234.0021P1
29		Written Opinion	10/27/2004	
30		International Preliminary Report on Patentability	12/08/2005	
31	PCT/US05/032652 (counterpart to US 11/093,858)	International Search Report	02/13/2006	03234.0028P1
32		Written Opinion	02/13/2006	



INFORMATION DISCLOSURE STATEMENT LIST

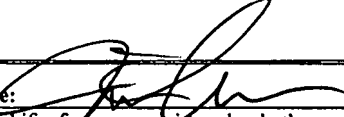
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Complete if Known	
Application Number	10/786,651
Filing Date	02/25/2004
First Named Inventor	BOLLEPALLI <i>et al.</i>
Group Art Unit	1754
Examiner Name	Unassigned

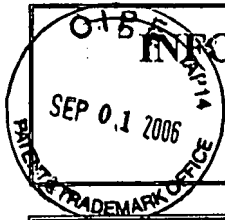
U.S. PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JJ	L1	US 2006-0068987-A1	03/30/2006	Bollepalli <i>et al.</i>			

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No
JJ	L2	WO 03/100883 A2	12/04/2003	Columbian Chemicals Co.	
JJ	L3	WO 2004/107359 A1	12/09/2004	Columbian Chemicals Co.	
JJ	L4	WO 2006/036544 A2	04/06/2006	Columbian Chemicals Co.	

NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)

Examiner Signature:  Date Considered: 7/23/2007

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Application Number	10/786,651
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First Named Inventor	BOLLEPALLI <i>et al.</i>
Group Art Unit	1754
Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
ST	K1	US 6,770,393 B2	08/03/2004	Akita <i>et al.</i>	429	33	
	K2	US 6,767,664 B2	07/27/2004	Akita <i>et al.</i>	429	42	
	K3	US 6,399,202 B1	06/04/2002	Yu <i>et al.</i>	428	403	
	K4	US 6,280,871 B1	08/28/2001	Tosco <i>et al.</i>	429	41	
	K5	US 5,851,280	12/22/1998	Belmont <i>et al.</i>	106	472	
	K6	US 5,837,045	11/17/1998	Johnson <i>et al.</i>	106	31.85	
	K7	US 5,803,959	09/08/1998	Johnson <i>et al.</i>	106	31.75	
	K8	US 5,707,432	01/13/1998	Adams <i>et al.</i>	106	31.6	
	K9	US 5,683,829	11/04/1997	Sarangapani	429	42	
	K10	US 5,672,198	09/30/1997	Belmont	106	20	
	K11	US 5,630,868	05/20/1997	Belmont <i>et al.</i>	106	31.75	
	K12	US 5,571,311	11/05/1996	Belmont <i>et al.</i>	106	20 R	
	K13	US 5,554,739	09/10/1996	Belmont	534	885	
	K14	US 4,014,844	03/29/1977	Vidal <i>et al.</i>	260	31.2 R	
	K15	US 2001/0009733 A1	07/26/2001	Campbell <i>et al.</i>	29	44	

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Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No
ST	K16	WO 02/084767 A2	10/24/2002	Cabot Corporation	

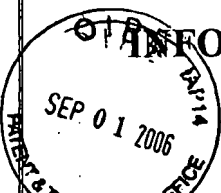
NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
ST	K17	TSUBOKAWA <i>et al.</i> , "Grafting of Polyesters onto Carbon Black VI. Copolymerization of Alkylene Carbonate with Cyclic Acid Anhydride Initiated by Alkali Metal Carboxylate Groups on Carbon Black Surface," <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 23:489-500 (1985)
	K18	TSUBOKAWA <i>et al.</i> , "Grafting of Polyesters on Carbon Black V. Preparation of Polyester-Grafted Carbon Black with a Higher Grafting Ratio by the Copolymerization of Epoxide with Cyclic Acid Anhydrides Using COOK Groups on Carbon Black as the Initiator," <i>Polymer Journal</i> , 16(4):333-340 (1984)
	K19	TSUBOKAWA <i>et al.</i> , "Grafting of Polyesters onto Carbon Black. III. Polymerization of β -Propiolactone Initiated by Quaternary Ammonium Carboxylate Groups on the Surface of Carbon Black," <i>Journal of Applied Polymer Science</i> , 28:2381-2387 (1983)
	K20	TSUBOKAWA <i>et al.</i> , "Grafting of Polyesters onto Carbon Black. II. Effect of Temperature Solvent on the Polymerization of β -Propiolactone initiated by COOK Groups on the Surface of Carbon Black," <i>Polymer Bulletin</i> , 7:589-596 (1982)
	K21	TSUBOKAWA <i>et al.</i> , "Grafting Polyesters onto Carbon Black. I. Polymerization of β -Propiolactone Initiated by Alkali Metal Carboxylate Group on the Surface of Carbon Black," <i>Journal of Polymer Science: Polymer Chemistry Edition</i> , 20:3297-3304 (1982)
	K22	TSUBOKAWA <i>et al.</i> , "Reaction of Carbon Black Surface with Polymer Radicals Formed by the Thermal Decomposition of Azo or Peroxide Polymers," 1995 Kobe International Rubber Conference, 23 rd -27 th October 1995, p. 307-310, 012, Kobe, Japan.

Examiner Signature:

Date Considered


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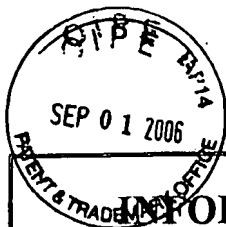
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	Application Number	10/786,651
	Filing Date	02/25/2004
	First Named Inventor	BOLLEPALLI <i>et al.</i>
	Group Art Unit	1754
Examiner Name	Unassigned	

U.S. PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
J1	J1	US 4,610,938	09/09/1986	Appleby	429	42	
J2	J2	US 2006/0099485 A1	05/11/2006	Yamaguchi <i>et al.</i>	429	42	

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No
J3	J3	EP 1 536 500 A1	06/01/2005	Yamaguchi	
J4	J4	JP 2003-037435	02/14/2003	Yamaguchi: Priority Document # 2 for WO 2004/017446 and EP 1 536 500	X
J5	J5	JP 2002-237229	08/16/2002	Yamaguchi: Priority Document # 1 for WO 2004/017446 and EP 1 536 500	X
J6	J6	JP 2001-283865	10/12/2001	Toray Industries Inc. (abstract)	
J7	J7	WO 2004/017446 A1	02/26/2004	Yamaguchi	

NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
J8	J8	MIZUHATA <i>et al.</i> , "Morphological Control of PEMFC Electrode by Graft Polymerization of Polymer Electrolyte onto Platinum-Supported Carbon Black," <i>Journal of Power Sources</i> , 138:25-30 (2004)

Examiner Signature: 	Date Considered: 7/23/2007
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First Named Inventor	BOLLEPALLI <i>et al.</i>
Group Art Unit	1754
Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JT	H1	US 5,759,944	06/02/1998	Buchanan <i>et al.</i>			

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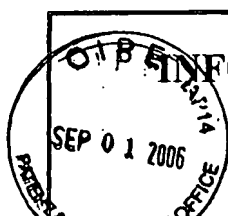
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JT	H2	Raven® 3600 Ultra publication, Columbian Chemicals Company (February 2004)
JT	H3	Raven Blacks publication, Columbian Chemicals Company (2004)

Examiner Signature: 

Date Considered

7/23/2007

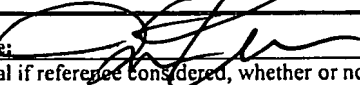
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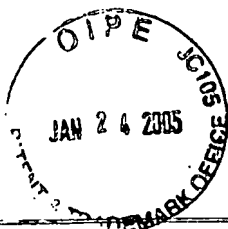
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JT	I1	US 2004/0186201 A1	09/23/2004	Stoffer <i>et al.</i>	523	215	
JT	I2	US 2004/0072683 A1	04/15/2004	Kodas <i>et al.</i>	502	224	

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No
JT	I3	EP 0 360 399 A2	03/28/1990	Columbian Chemicals Company	

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Jr	G1	US-2004-0169165-A1	09/02/2004	Srinivas	252	511	
	G2	US-2004-0144961 A1	07/29/2004	Srinivas	252	500	
	G3	US-2004-0110052-A1	06/10/2004	Srinivas	429	033	
	G4	US-2004-0110051-A1	06/10/2004	Srinivas	429	033	
	G5	US-2004-0109816-A1	06/10/2004	Srinivas <i>et al.</i>	423	449.2	
	G6	US-2004-0042955-A1	03/04/2004	Srinivas	423	460	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No

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Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)

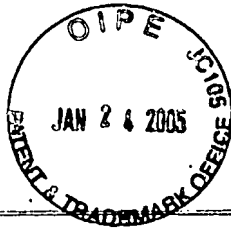
FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No
57	F1	EP 1 085 034 A1	03/21/2001	Honda Giken Kogyo Kabushiki Kaisha Minato-Ku	

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Examiner Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)

Examiner Signature:		Date Considered	7/23/2007
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ATTORNEY DOCKET NO. 03234.0017U3
APPLICATION NO. 10/786,651
SHEET 1 OF 1

INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/786,651
Filing Date	02/25/2004
First Named Inventor	SRINIVAS
Group Art Unit	1754
Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)

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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes No

NON PATENT LITERATURE DOCUMENTS

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JT	E1	Uchida <i>et al.</i> , "Effects of Microstructure of Carbon Support in the Catalyst Layer on the Performance of Polymer-Electrolyte Fuel Cells," <i>J. Electrochem. Soc.</i> , 143(7):2245-2252 (1996)

Examiner
Signature:

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2/23/2007

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ATTORNEY DOCKET NO. 03234.0017U3
APPLICATION NO. 10/786,651

Form PTO 1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Complete if Known

Application Number	10/786,651
Filing Date	02/25/2004
First Name Inventor	SRINIVAS
Art Unit	1754
Examiner Name	Unassigned

LIST OF INFORMATION CITED BY APPLICANT

(Use as many sheets as necessary)

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	D2	US 5,316,990	05/31/1994	Cooper <i>et al.</i>			
	D3	US 5,068,161	11/26/1991	Keck <i>et al.</i>			
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APPLICATION NO. 10/786,651


Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF INFORMATION CITED BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/786,651
	Filing Date	02/25/2004
	First Named Inventor	SRINIVAS
	Group Art Unit	1754
	Examiner Name	Unassigned

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
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	C2	US 6,541,278	04/01/2003	Morita <i>et al.</i>			
	C3	US 6,451,375	09/17/2002	Cotte <i>et al.</i>			
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	C5	US 5,939,334	08/17/1999	Nguyen <i>et al.</i>			
	C6	US 5,789,027	08/04/1998	Watkins <i>et al.</i>			
	C7	US 5,639,441	06/17/1997	Sievers <i>et al.</i>			
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PATENT AND TRADEMARK OFFICE

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Application Number	10/786,651
Filing Date	02/25/2004
First Name Inventor	Srinivas
Art Unit	1754
Examiner Name	Unassigned

LIST OF INFORMATION CITED BY APPLICANT

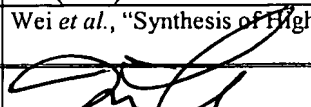
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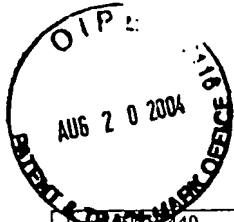
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ST	B3	US 6,494,946 B1	12/17/2002	Belmont <i>et al.</i>			
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First Name Inventor	Srinivas
Art Unit	1754
Examiner Name	Unassigned

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JT	A9	WO 03/100883 A2	12/04/2003	Columbian Chemicals Company	
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